

CLAIMS

1. An index picture generating method comprising the steps of:

recording an index information for specifying a point or an area which is located on a recording medium and serves as an index upon edition and an additional information concerning attributes of a video information at the point or area specified by said index information on at least one of a recording medium used to record a video information and a memory accompanying said recording medium upon at least one of the recording and reproduction of the video information; and

based on at least said index information of said index information and said additional information recorded on at least one of said recording medium and said memory, selecting an index picture used for edition from video information on said recording medium and generating an index picture information used for easily displaying said index picture to record said index picture information on said recording medium.

2. An index picture generating method according to claim 1, wherein when said index picture information is recorded on said recording medium, information for specifying a recording position of said index picture information on said recording medium is recorded on at least one of said recording medium and said memory.

3. An index picture generating apparatus comprising:
an index picture information generating means for,
based on at least an index information of said index information
for specifying a point or an area located on a recording medium
serving as an index upon edition and an additional information
concerning attributes of a video information at the point or
area specified by said index information which are recorded,
selecting an index picture used for edition from video
information on said recording medium to generate an index
picture information used for easily displaying the index
picture; and

an index picture information recording means for recording said index picture information generated by said index picture information recording means on said recording medium.

4. An index picture generating apparatus according to claim 3, wherein when said index picture information is recorded on said recording medium, said index picture information recording means records information for specifying a recording position of said index picture information on said recording medium on at least one of said recording medium and said memory.

5. An index picture generating method comprising the steps of:

recording an index information for specifying a point which is located on a recording medium and serves as an index upon edition on at least one of a recording medium used to

record a video information and a memory accompanying said recording medium; and

based on at least said index information recorded on at least one of said recording medium and said memory, selecting an index picture used for edition from video information on said recording medium and generating an index picture information used for easily displaying the index picture to record said index picture information on said recording medium.

6. An index picture/generating method according to claim 5, wherein when said index picture information is recorded on said recording medium, information for specifying a recording position of said index picture information on said recording medium is recorded on at least one of said recording medium and said memory.

7. An index picture generating apparatus comprising:
an index picture information recording means for, by
using a recording medium where an index information for
specifying an optional point which is located on a recording
medium and serves as an index upon edition on at least one of a
recording medium where a video information is recorded and a
memory accompanying said recording medium, based on at least
said index information recorded on at least one of said
recording medium and said memory, selecting an index picture
used for edition from video information on said recording medium
and generating an index picture information used for easily

11. An index picture information modifying method according to claim 9, wherein in said index picture information modifying step, an unmodified index picture information is generated based on an index information serving as an index for edition of video information, and an index picture information is modified by using said unmodified index picture information.

12. An index picture information modifying method according to claim 9, wherein in said index picture information modifying step, the modified index picture information is recorded independently of the unmodified index picture information.

13. An index picture information modifying method according to claim 9, wherein in said index picture information modifying step, the modified index picture information is overwritten on a portion of said recording medium where the unmodified index picture information is recorded.

14. An index picture information modifying apparatus comprising:

an index picture information modifying means for modifying an index picture information which is used for easily displaying an index picture used for edition of video information and which is recorded on a recording medium where said video information is recorded; and

an index picture storing means for recording the index

picture information modified by said index picture information
modifying means on said recording medium.

15. An index picture information modifying method according to claim 14, wherein said index picture information modifying means modifies an unmodified index picture information recorded on said recording medium is fetched, and the index picture information by using said unmodified index picture information.

16. An index picture information modifying method according to claim 14, wherein said index picture information modifying means generates an unmodified index picture information based on an index information serving as an index for edition of video information, and modifies an index picture information by using said unmodified index picture information.

17. An index picture information modifying method according to claim 14, wherein said index picture information modifying records the modified index picture information independently of the unmodified index picture information.

18. An index picture information modifying method according to claim 14, wherein said index picture information modifying overwrites the modified index picture information on a portion of said recording medium where the unmodified index picture information is recorded.

19. An edition auxiliary information modifying method comprising the steps of:

modifying an edition auxiliary information used for generating an index picture information used for easily displaying an index picture serving as an index for edition of the video information, used for edition and recorded on at least one of a recording medium where the video information is recorded and a memory accompanying said recording medium, and recording said modified edition auxiliary information on at least one of said recording medium and said memory.

20. An edition auxiliary information modifying method according to claim 19, wherein said edition auxiliary information includes an index information for specifying a point or an area on a recording medium which serves as an index used upon edition.

21. An edition auxiliary information modifying method according to claim 19, wherein said edition auxiliary information includes an additional information concerning an attribute of a video information in a point or an area specified by said index information.

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~~21~~. An edition auxiliary information modifying method comprising:

an edition auxiliary information modifying means for

modifying an edition auxiliary information used for generating an index picture information used for easily displaying an index picture serving as an index for edition of the video information, used for edition and recorded on at least one of a recording medium where the video information is recorded and a memory accompanying said recording medium, and

an edition auxiliary information recording means for recording said edition auxiliary information modified by said edition auxiliary information modifying means on at least one of said recording medium and said memory.

23. An edition auxiliary information modifying method according to claim 22, wherein said edition auxiliary information includes an index information for specifying a point or an area on a recording medium which serves as an index used upon edition.

24. An edition auxiliary information modifying method according to claim 22, wherein said edition auxiliary information includes an additional information concerning an attribute of a video information in a point or an area specified by said index information.

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